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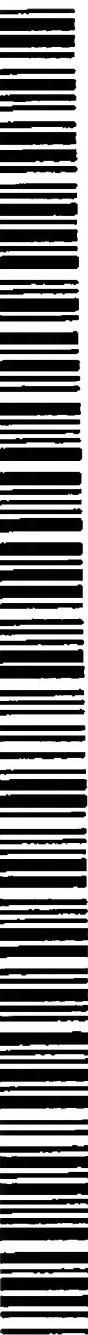
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(54) Title: TYPE CHECKING FOR OBJECT-ORIENTED PROGRAMMING LANGUAGES

(57) Abstract: Type checking between an object class and a target class may comprise getting an object header from an object, and checking from the object header a result of a first time type checking between a class of the object and a target class specified by a hotspot in the first time type checking.